



Baller also fails to disclose that "the cantilever structures have a sensitivity to respond to a mass dependent property change, deflection, or resonant frequency shift of the cantilever structures produced by changes in mass of the attached templates by addition of a *single* complementary mass labeled nucleotide" as recited in claim 1. Thus, both Baller and Williams fail to teach or suggest the claimed invention *as a whole*. In fact, in the Interview Summary, the Examiner has stated that "[t]he cited does not detect a mass-labeled single nucleotide." Thus, the obviousness rejection over Baller and Williams should be withdrawn.

The Interview Summary states that "Amendments defining the STRUCTURE as including mass-labeled NTPs would define over the cited art. Hence, the structure must be more clearly defined so as to define over the prior art." To expedite the prosecution of this case, Applicants have amended claim 1 and other independent claims by positively stating that apparatus includes mass-labeled NTPs and by reciting several structural features of the claimed apparatus such as (a) the cantilever has a sensitivity to respond to a mass dependent property change, deflection, or resonant frequency shift of the cantilever structures produced by changes in mass of the coupled templates by addition of a single complementary mass labeled nucleotide, (b) the detection unit has a sensitivity to detect to a mass dependent property change, deflection, or resonant frequency shift of the cantilever structures produced by changes in mass of the attached templates by addition of a single complementary mass labeled nucleotide, and (c) a reagent reservoir configured to sequentially cycle a plurality of different types of mass labeled nucleotides through the analysis chamber. These structural features are not disclosed in the cited prior art.

Claims 1-2, 5-8, 10-22 were provisionally rejected for obviousness type double patenting over claims 15-17, 19-20, 29-30, 34-37 and 42-52 of copending Application No. 10/254,201 in view of Lindsay. As this rejection is a provisional rejection, Applicants are not required to act on it at this

Application No.: 10/686,083  
Amendment dated June 4, 2007  
Response to Non-Final Action mailed March 12, 2007

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time but will take necessary steps if the claims in the pending application are otherwise deemed allowable.

Claims 1-2, 5-8, 10-22 were provisionally rejected for obviousness type double patenting over claims 24-46 of copending Application No. 10/705,389 in view of Fritz. As this rejection is a provisional rejection, Applicants are not required to act on it at this time but will take necessary steps if the claims in the pending application are otherwise deemed allowable.

In view of the above, each of the presently pending claims in this application is believed to be in immediate condition for allowance. Accordingly, the Examiner is respectfully requested to withdraw the outstanding rejection of the claims and to pass this application to issue. If it is determined that a telephone conference would expedite the prosecution of this application, the Examiner is invited to telephone the undersigned at the number given below.

Dated: June 4, 2007

Respectfully submitted,

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